Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

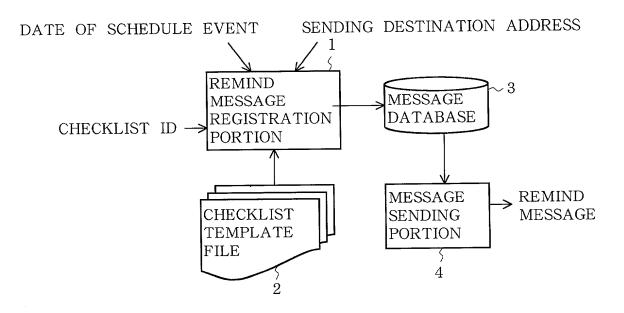


FIG.1

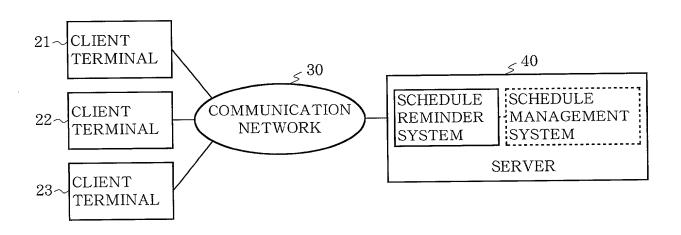
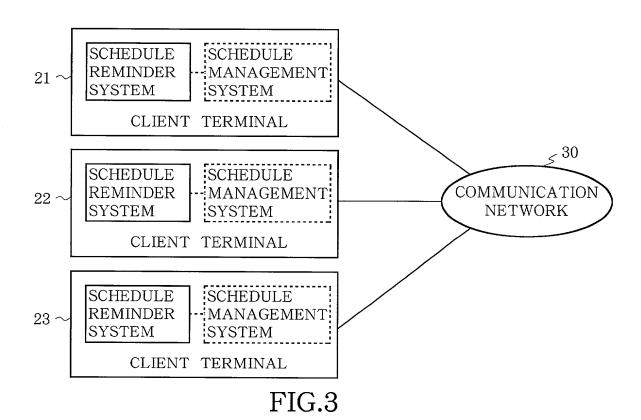


FIG.2

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118



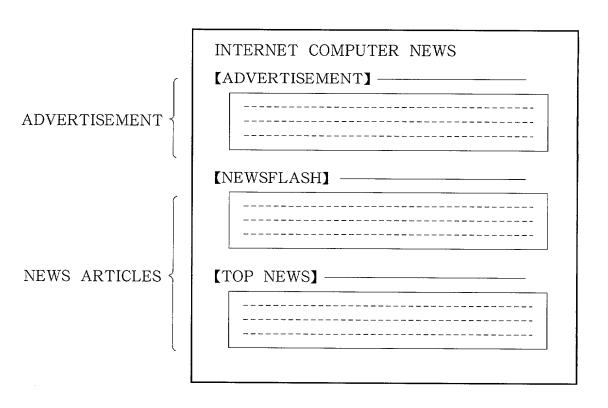
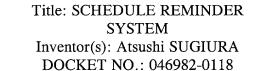


FIG.4



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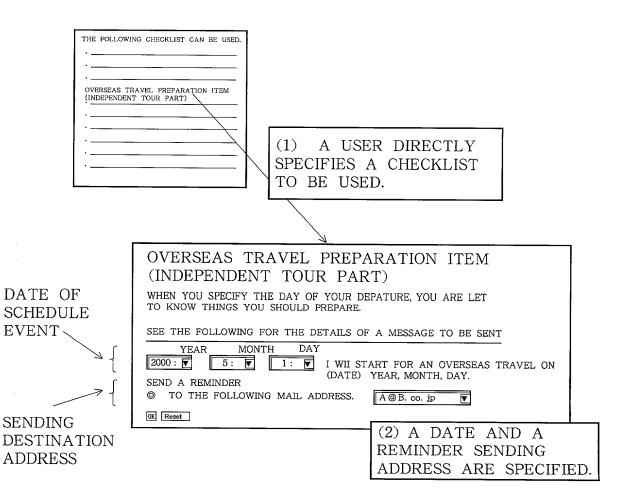


FIG.5

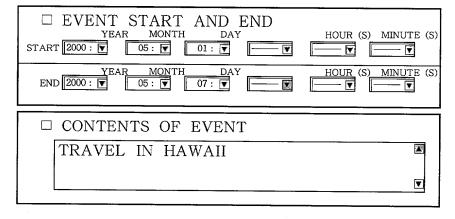


FIG.6

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

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LINK TO WEB SITE OF TRAVEL AGENCY (ADVERTISEMENT)

★★RESERVATION OF AIR TICKET★★
HOW ABOUT YOUR RESERVATION OF
AN AIR TICKET NOW? YOU CAN
RESERVE THE AIR TICKET ON THE WEB
SITE OF ______ TRAVEL AGENCY.

MESSAGE THAT WILL BE SENT 45 DAYS BEFORE (MARCH 17 WHEN YOU START ON MAY 1)

★★ VACCINATION ★★

WHEN YOU TRAVEL ABROAD, THERE ARE COUNTRIES WHERE YOU NEED TO BE GIVEN VACCINATION. IN PARTICULAR, THOSE WHO GO TO AFRICA AND ASIA NEED TO TAKE NOTICE.

MESSAGE THAT WILL BE SENT 40 DAYS BEFORE (MARCH 22 WHEN YOU START ON MAY 1)

★★ PASSPORT ★★

HAVE YOU GOT YOUR PASSPORT? YOU SHOULD ALLOW TWO WEEKS TO RECEIVE YOUR PASSPORT AFTER APPLICATION.

MESSAGE THAT WILL BE SENT 30 DAYS BEFORE (APRIL 1 WHEN YOU START ON MAY 1)

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

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CHECKLIST

ID = 1

T11, M11 T12, M12 T13, M13 CHECKLIST

ID = 2

T21, M21 T22, M22 T23, M23 CHECKLIST

ID = 3

T31, M31 T32, M32 T33, M33

FIG.8

SENDING TIME	REMIND MESSAGE	SENDING ADDRESS
TA1	M11	A11
TA1	M12	A12
•••		•••
TA2	M21	A21
TA2	M22	A22
•••		•••

FIG.9

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

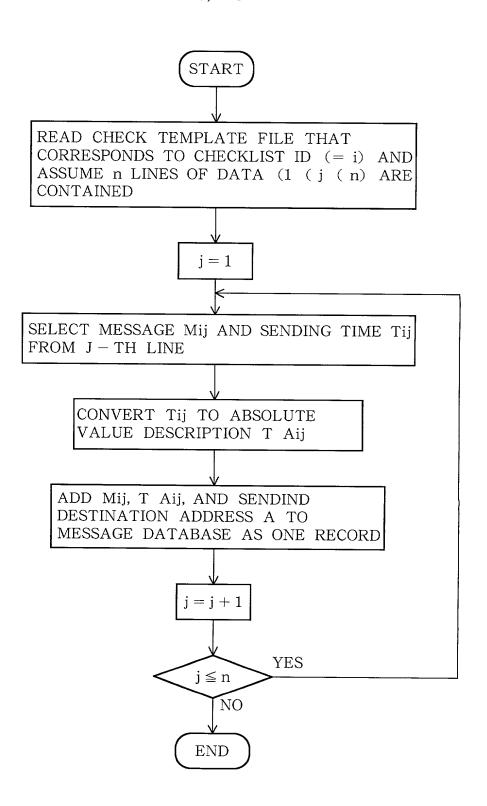


FIG.10

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

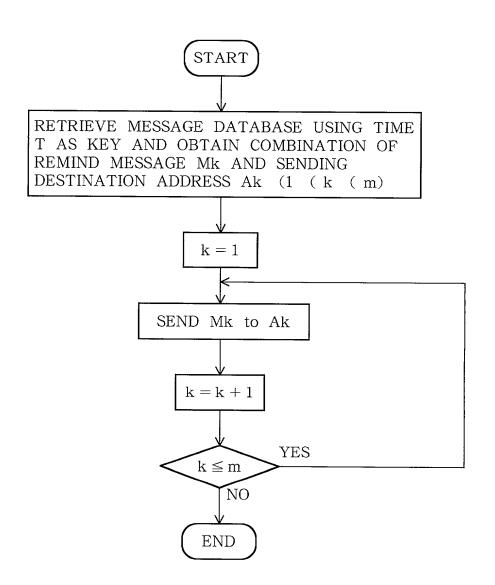
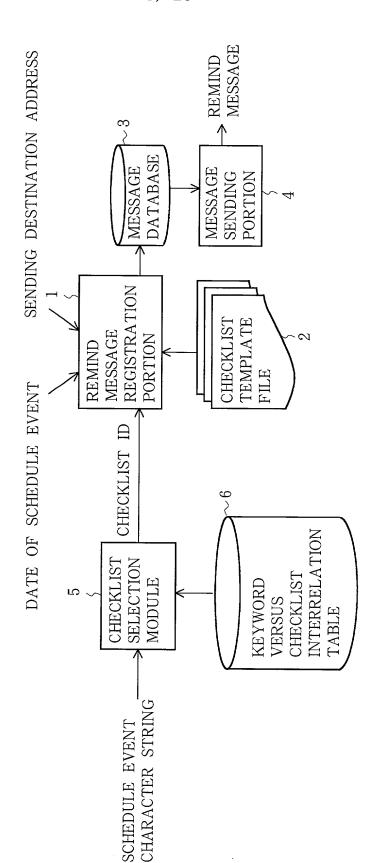


FIG.11

Title: SCHEDULE REMINDER

SYSTEM
Inventor(s): Atsushi SUGIURA
DOCKET NO.: 046982-0118





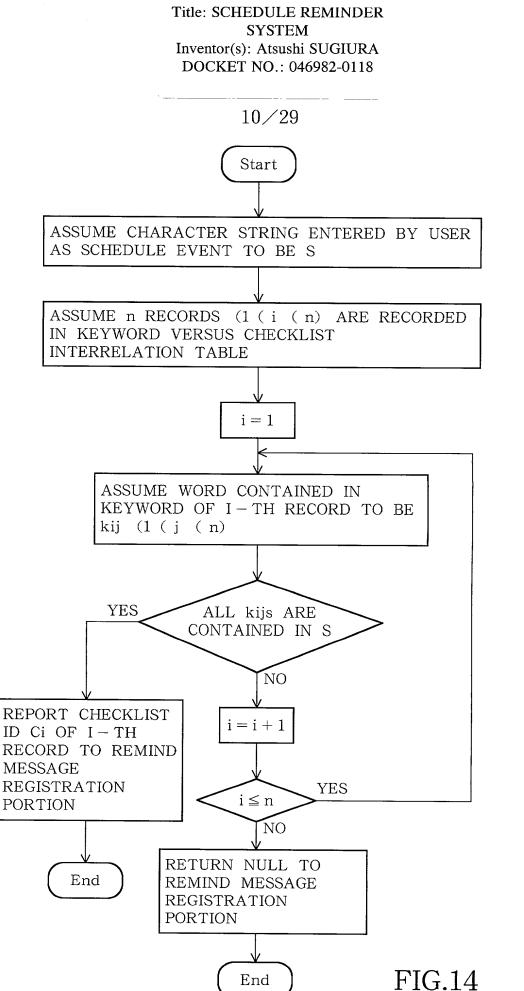
Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

KEYWORD	CHECKLIST ID
k11, k12,	C1
k21, k22,	C2
k31, k32,	C3
•••	

FIG.13

MESSAGE

PORTION



Title: SCHEDULE REMINDER

SYSTEM

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

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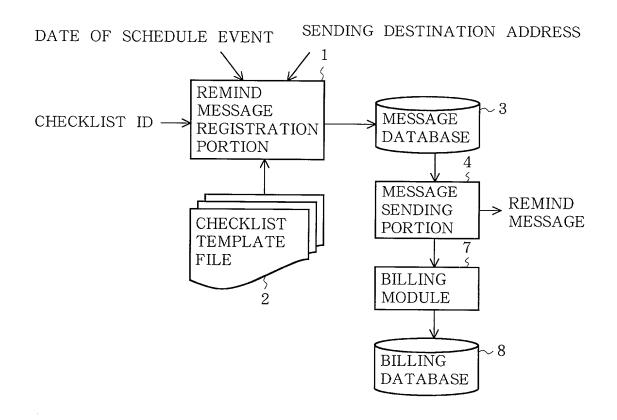


FIG.15

FIG.16

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

SENDING TIME	REMIND MESSAGE	SENDING ADDRESS	ADVERTISEMENT ID
TA1	M11	A11	AD11
TA1	M12	A12	AD12
•••	•••	•••	
TA2	M21	A21	AD21
TA2	M22	A22	AD22
	•••	•••	

FIG.17

ADVERTISEMENT ID	SENDING FREQUENCY OF ADVERTISING	
AD1	N1	
AD2	N2	
•••		

FIG.18

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

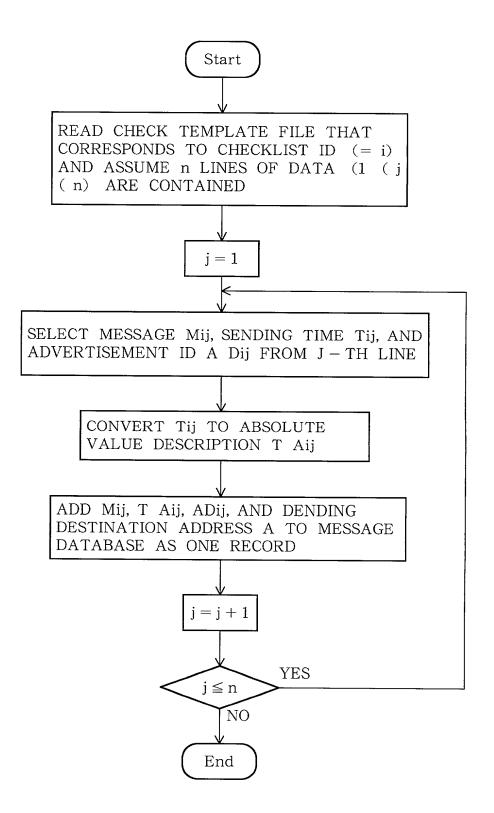


FIG.19

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

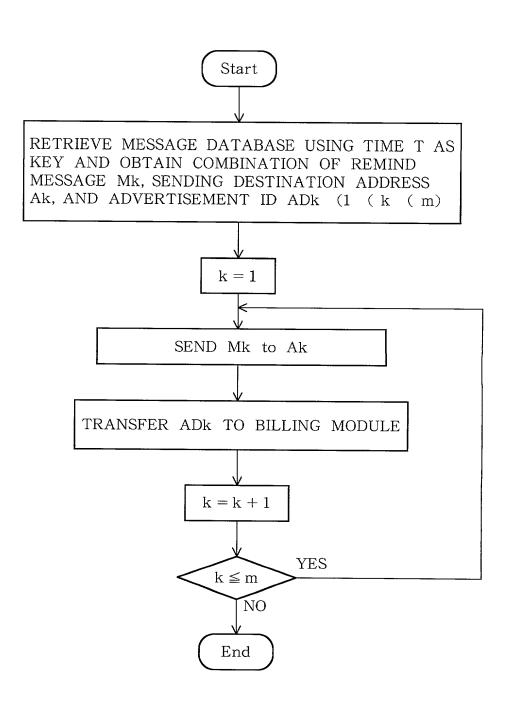


FIG.20

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

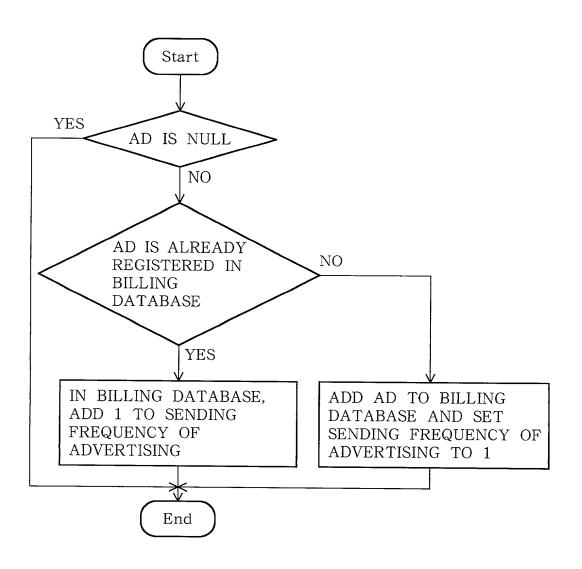
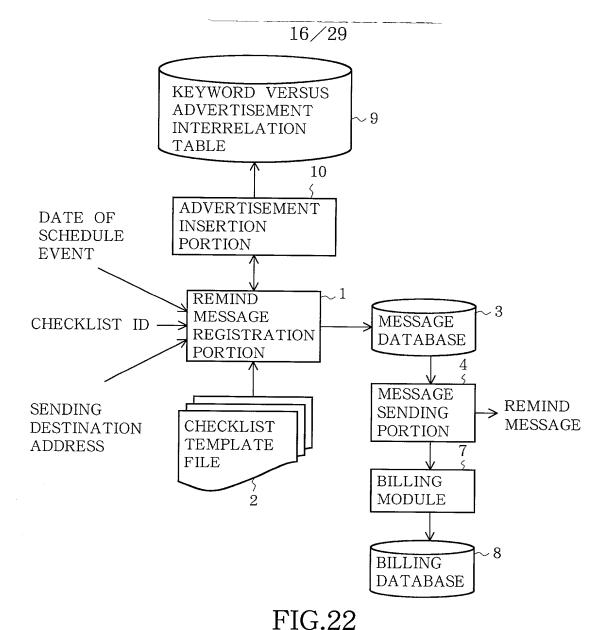


FIG.21

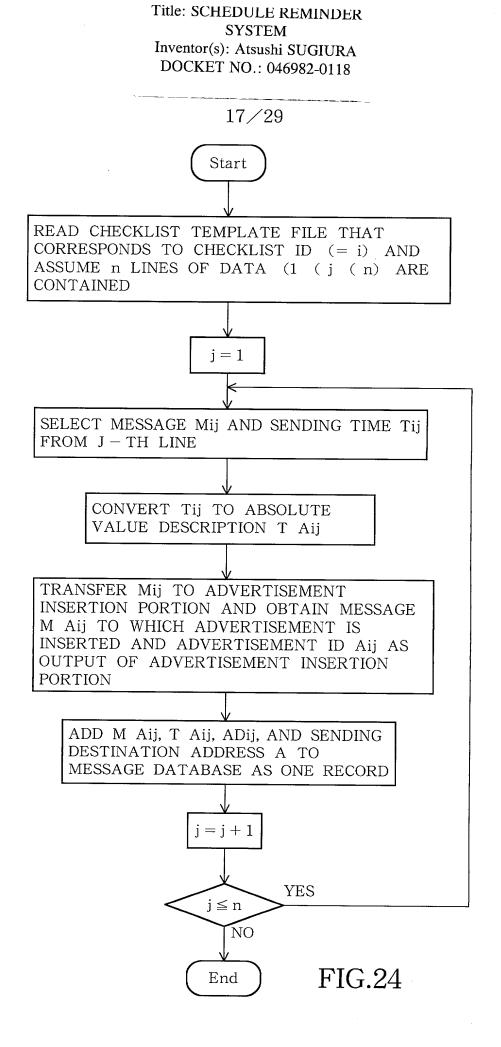


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141

ADVERTISEMENT ADVERTISEMENT **KEYWORD** ID CHARACTER STRING k11, k12, ... AD1 ADS1 k21, k22, ... AD2 ADS2 k31, k32, ... AD3 ADS3

FIG.23



Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118 18/29Start ASSUME MESSAGE CHARACTER STRING TRANSFERRED FROM REMIND MESSAGE REGISTRATION PORTION AS M ASSUME m RECORDS (1 (k (m) ARE REGISTERED IN KEYWORD VERSUS ADVERTISEMENT INTERRELATION TABLE k = 1ASSUME WORD CONTAINED IN KEYWORD FIELD OF k - TH RECORD AS Wkt (1 (t (s) ALL Wkts ARE YES CONTAINED IN M NO LINK ADVERTISEMENT CHARACTER STRING k = k + 1ADSk of k - TH RECORD WITH M AND ASSUME IT TO BE MA YES $k \leq m$ TRANSFER MA AND NO ADVERTISEMENT ID ADk TO REMIND **MESSAGE** End REGISTRATION **PORTION** End FIG.25

1 ttle: SCHEDULE REMINDER
SYSTEM

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

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CHECKLIST ID = 5

45 DAYS BEFORE TE, ★★ RESERVATION OF AIR TICKET ★★ HOW ABOUT YOUR RESERVATION OF AN AIR TICKET NOW?

40 DAYS BEFORE TE, $\bigstar \bigstar$ VACCINATION $\bigstar \bigstar$ WHEN YOU GO ABROAD, THERE ARE COUNTRIES WHERE VACCINATION IS REQUIRED. ...

30 DAYS BEFORE TE, $\star\star$ PASSPORT $\star\star$ HAVE YOU GOT YOUR PASSPORT? APPLICATION ...

FIG.26

SENDING TIME	SENDING MESSAGE	SENDING ADDRESS
ZERO HOURS ON MARCH 17, 2000	★★RESERVATION OF AIR TICKET ★★ HOW ABOUT YOUR RESERVATION OF AN AIR TICKET NOW?	A @ B.co.jp
ZERO HOURS ON MARCH 22, 2000	★★ VACCINATION★★ WHEN YOU GO ABROAD, THERE ARE COUNTRIES WHERE VACCINATION IS REQUIRED	A @ B.co.jp
ZERO HOURS ON APRIL 1, 2000	★★ PASSPORT ★★ HAVE YOU GOT YOUR PASSPORT? A @ B.co.jp APPLICATION	

Title: SCHEDULE REMINDER

SYSTEM
entor(s): Atsushi SUGIURA

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

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KEYWORD	CHECKLIST ID		
JAMAICA, TRAVEL	5 (CHECKLIST FOR OVERSEAS TRAVEL)		
HAWAII, TRAVEL	5 (CHECKLIST FOR OVERSEAS TRAVEL)		
MARRIAGE	6 (CHECKLIST FOR WEDDING CEREMONY)		

FIG.28

CHECKLIST ID = 5

- 45 DAYS BEFORE TE, $\star\star$ RESERVATION OF AIR TICKET $\star\star$ HOW ABOUT YOUR RESERVATION OF AN AIR TICKET NOW? , 8
- 40 DAYS BEFORE TE, $\bigstar \bigstar$ VACCINATION $\bigstar \bigstar$ WHEN YOU GO ABROAD, THERE ARE COUNTRIES WHERE VACCINATION IS REQUIRED. ... , NULL
- 30 DAYS BEFORE TE, $\bigstar \bigstar$ PASSPORT $\bigstar \bigstar$ HAVE YOU GOT YOUR PASSPORT? APPLICATION ... , NULL

FIG.29

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

SENDING TIME	SENDING MESSAGE	SENDING ADDRESS	ADVERTISEMENT ID
ZERO HOURS ON MARCH 17, 2000	** RESERVATION OF AIR TICKET ** HOW ABOUT YOUR RESERVATION OF AN AIR TICKET NOW?	A @ B.co.jp	8
ZERO HOURS ON MARCH 22, 2000	** VACCINATION ** WHEN YOU GO ABROAD, THERE ARE COUNTRIES WHERE VACCINATION IS REQUIRED	A @ B.co.jp	NULL
XERO HOURS ON APRIL 1, 2000 ** PASSPORT ** HAVE YOU GOT YOUR PASSPORT? APPLICATION		A @ B.co.jp	NULL
•••	•••		•••

FIG.30

ADVERTISEMENT ID	SENDING FREQUENCY OF ADVERTISING	
8	4	
9	17	

FIG.31

I'lle: SCAEDULE REMINDER
SYSTEM

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

ADVERTISEMENT ID	SENDING FREQUENCY OF ADVERTISING	
8	5	
9	17	

FIG.32

```
MARCH 17
                         ** RESERVATION OF AIR TICKET **
SCHEDULE
              AIR TICKET
EVENT
                            NOW
INSERTED
              MARCH 22
                         ** VACCINATION ** WHEN YOY GO
ACCORDING
              ABROAD .....
TO A
              APRIL 1
                       ** PASSPORT **
                                        PASSPORT ....
SCHEDULE
             MAY 1
                        TRAVEL IN HAWAII
EVENT
ENTERED
BY USER
```

FIG.33

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

23/29

DATE OF SCHEDULE EVENT

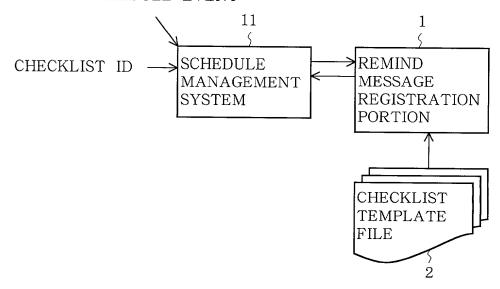


FIG.34

s te y

Title: SCHEDULE REMINDER SYSTEM

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

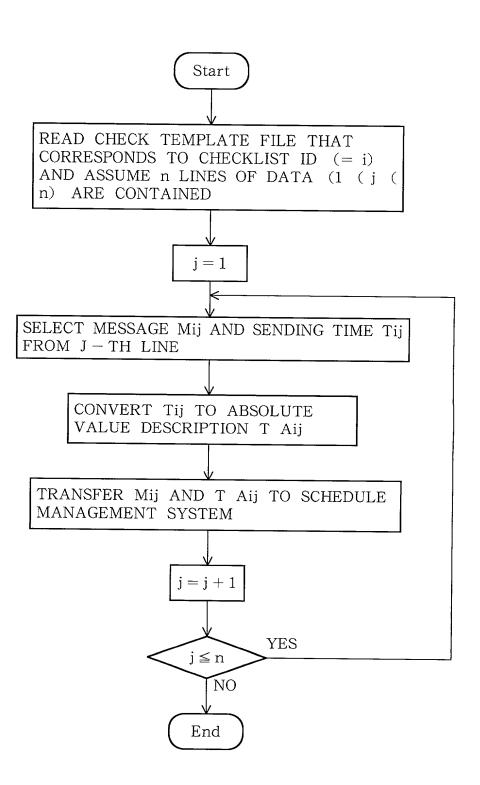
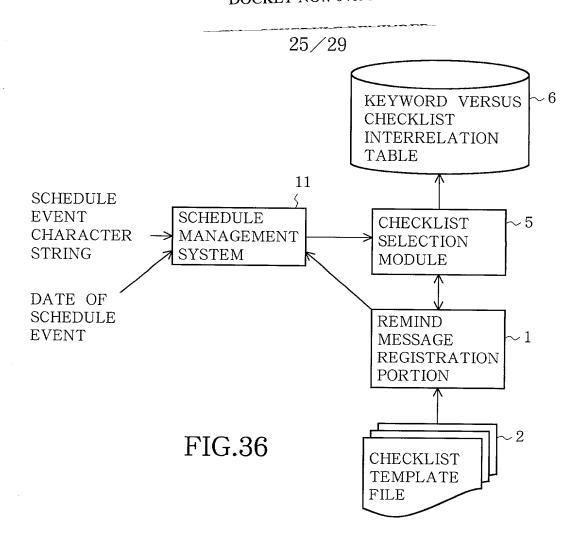


FIG.35

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118



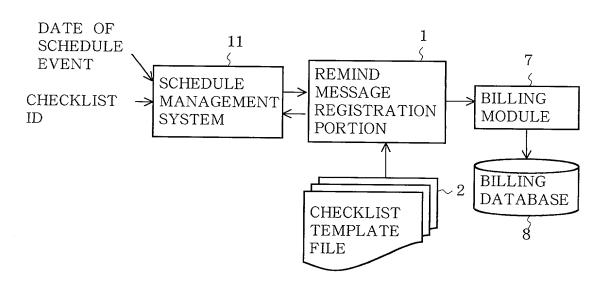
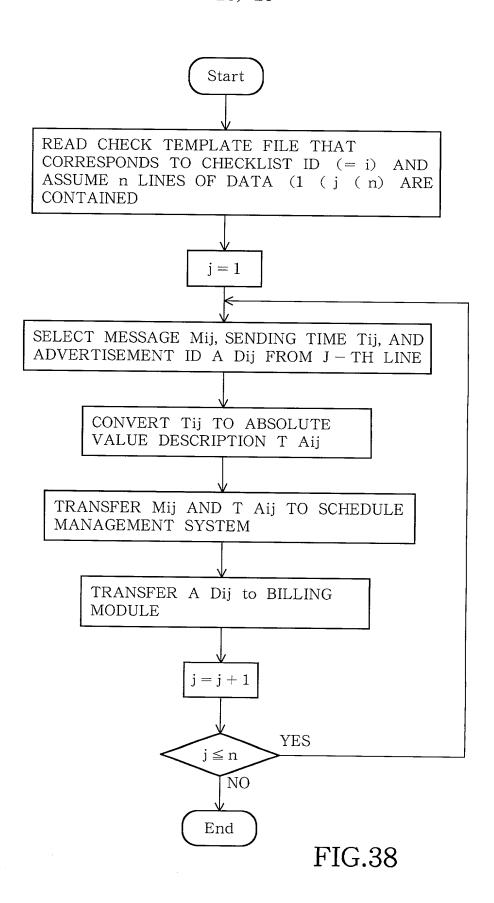


FIG.37

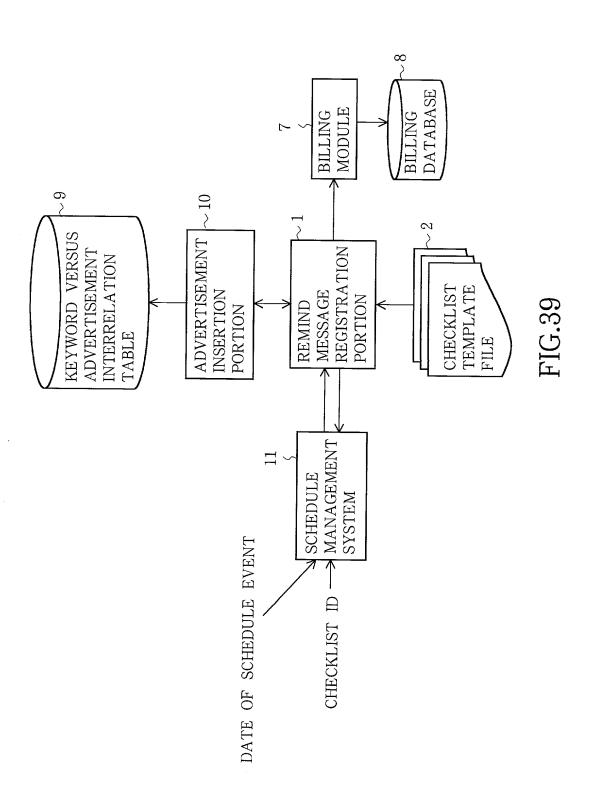
Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118



3 1 t y

Title: SCHEDULE REMINDER SYSTEM

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118



Title: SCHEDULE REMINDER SYSTEM Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118 28/29Start READ CHECK TEMPLATE FILE THAT CORRESPONDS TO CHECKLIST ID (= i) AND ASSUME n LINES OF DATA (1 (j (n) ARE CONTAINED j = 1SELECT MESSAGE Mij AND SENDING TIME Tij FROM J-TH LINE CONVERT Tij TO ABSOLUTE VALUE DESCRIPTION T Aij TRANSFER Mij TO ADVERTISEMENT INSERTION PORTION AND OBTAIN MESSAGE M Aij TO WHICH ADVERTISEMENT IS INSERTED AND ADVERTISEMENT ID Aij AS OUTPUT OF ADVERTISEMENT INSERTION PORTION TRANSFER M Aij AND T Aij TO SCHEDULE MANAGEMENT SYSTEM TRANSFER A Dij to BILLING MODULE j = j + 1YES $j \leq n$ NO **FIG.40**

End

ر باد م

Title: SCHEDULE REMINDER SYSTEM

Inventor(s): Atsushi SUGIURA DOCKET NO.: 046982-0118

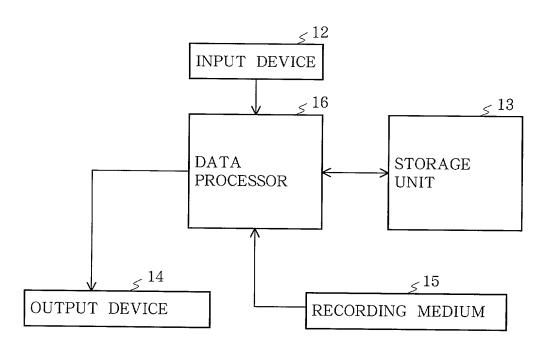


FIG.41